

FIGURE 1

The figure displays the chemical structures of two peptides, Lex18 and Lex10, and defines the linker (AO) used in their construction.

Lex18 Structure: The peptide is shown as a long chain with a C-terminus (C) at the top and an N-terminus (N) at the bottom. It is divided into three main regions: P7 (top), L (middle), and P9 (bottom). The P7 region contains a series of pyridine rings linked by amide bonds. The L region is a flexible linker. The P9 region contains a series of pyridine rings linked by amide bonds, ending with an N-terminus (N).

Lex10 Structure: The peptide is shown as a long chain with a C-terminus (C) at the top and an N-terminus (N) at the bottom. It is divided into three main regions: P7 (top), L (middle), and P9 (bottom). The P7 region contains a series of pyridine rings linked by amide bonds. The L region is a flexible linker. The P9 region contains a series of pyridine rings linked by amide bonds, ending with an N-terminus (N).

AO Linker Definition: The linker (AO) is defined as 8-amino-3,6-dioxaoctonoic acid, with the chemical structure $\text{H}_2\text{N}-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-\text{O}-\text{CH}_2-\text{COOH}$.

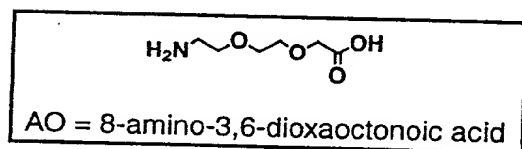
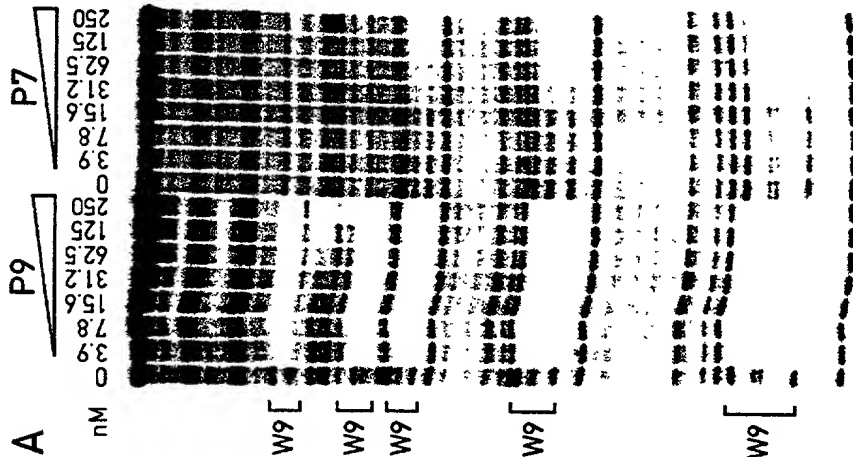
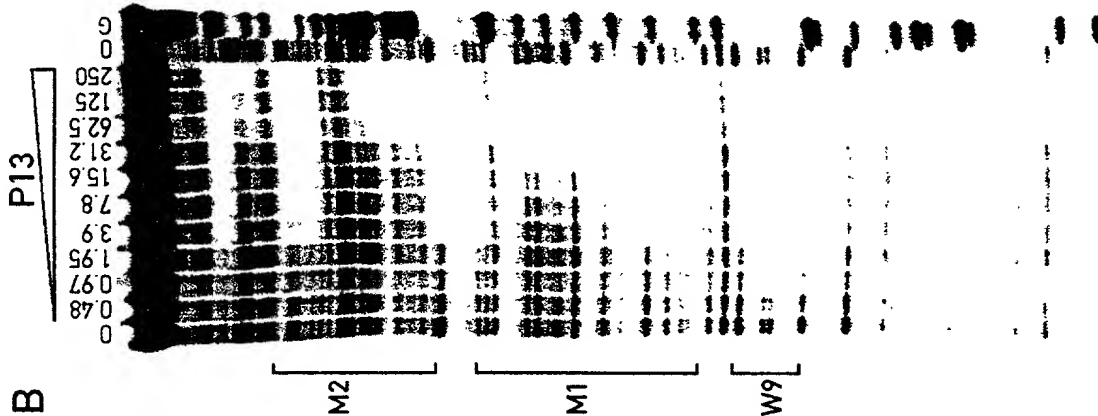


FIGURE 2A



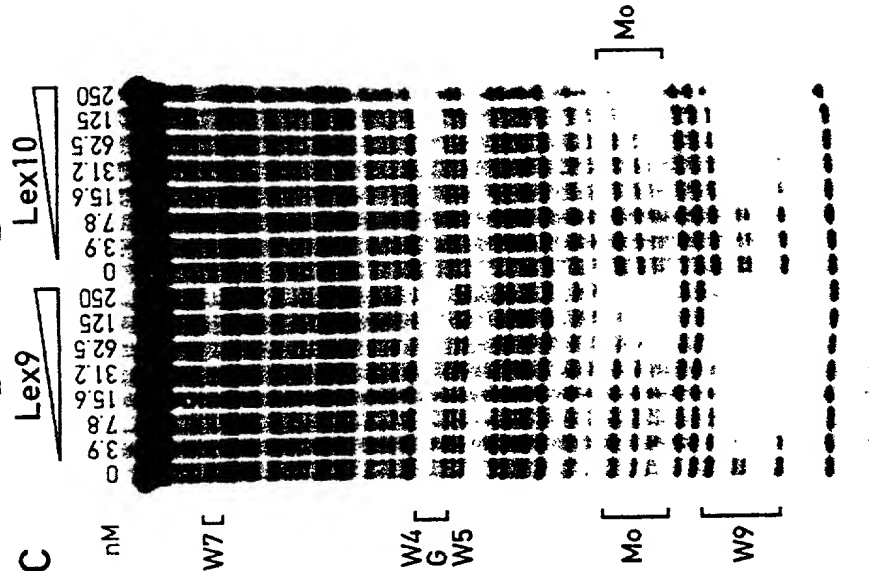
W9 repeat probe

FIGURE 2B



W9 probe

FIGURE 2C



W9 probe

FIGURE 3A

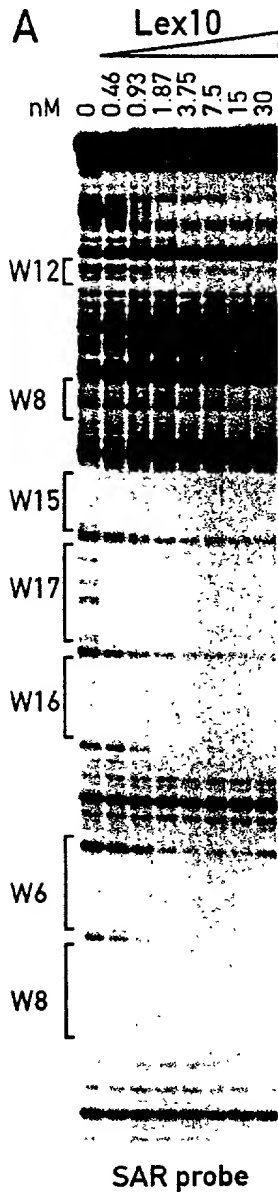


FIGURE 3B

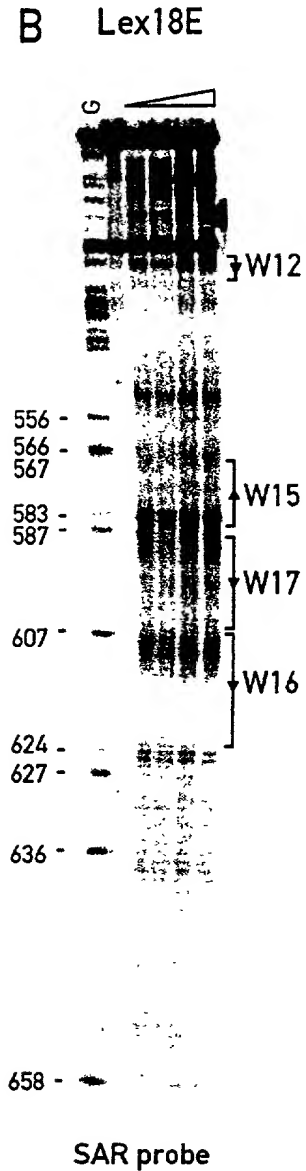


FIGURE 3C

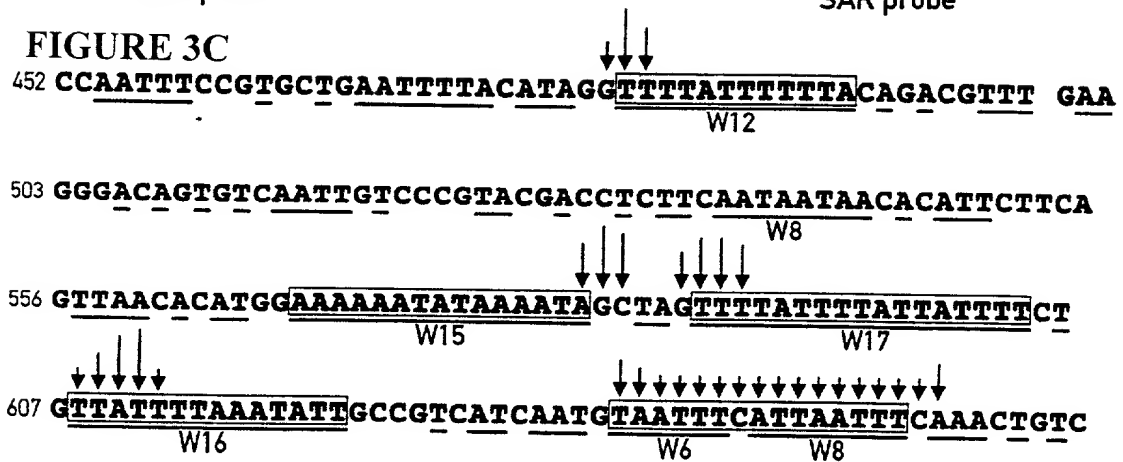


FIGURE 3D

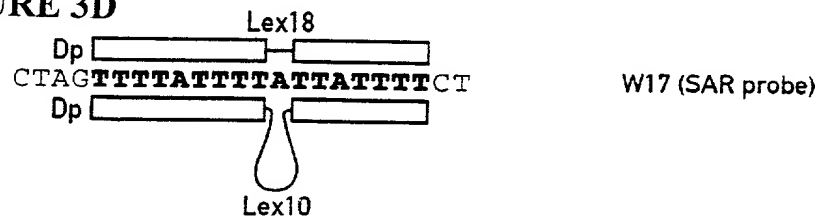


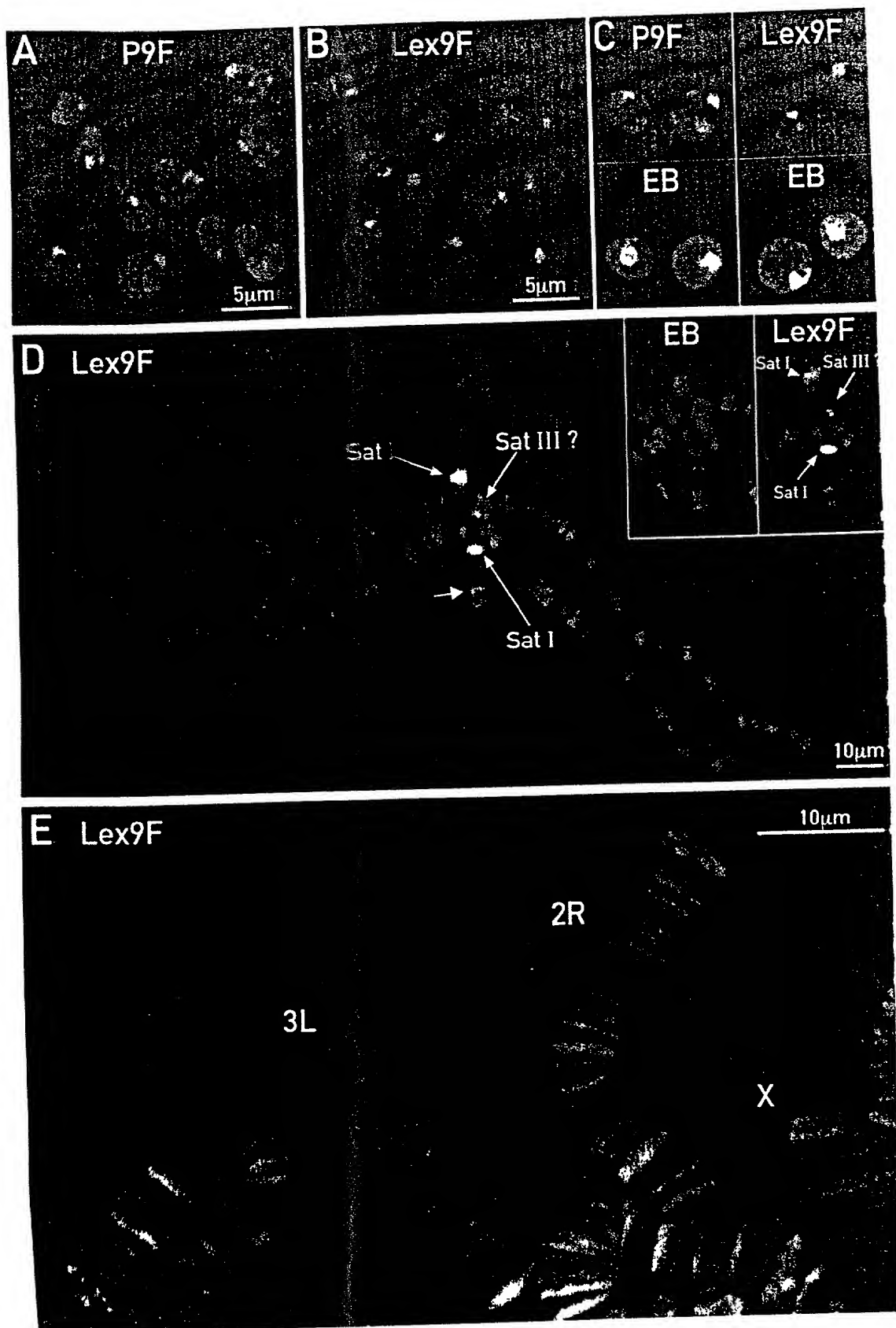
FIGURE 4

FIGURE 5A

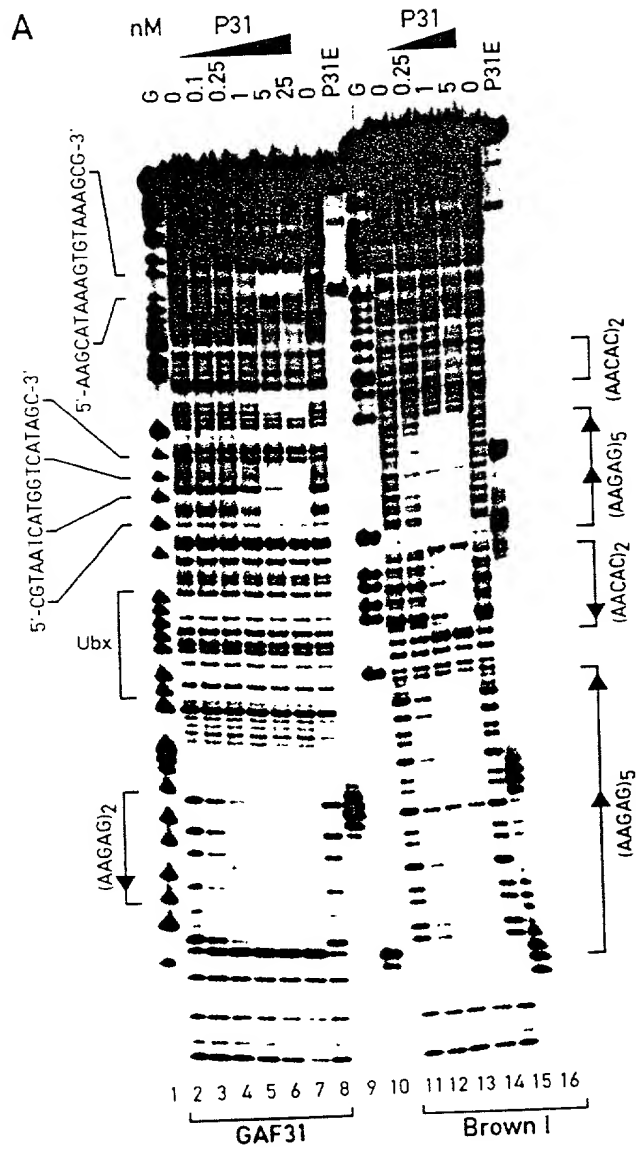


FIGURE 5B

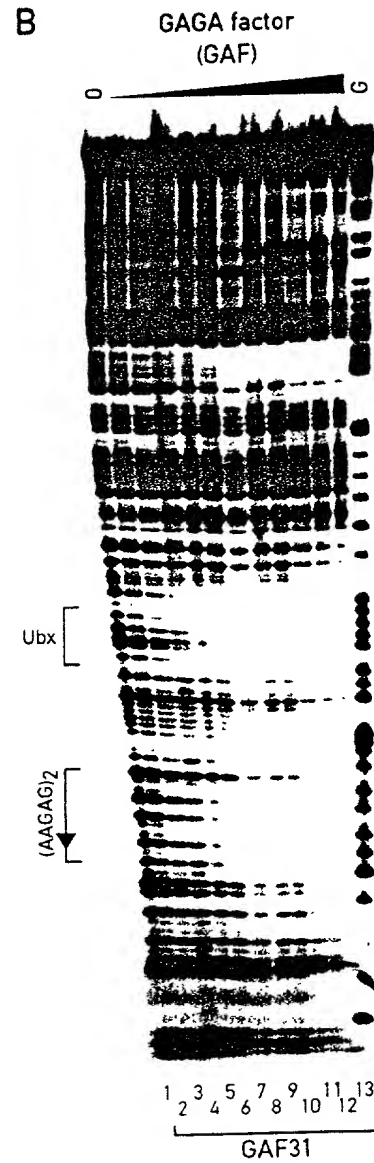
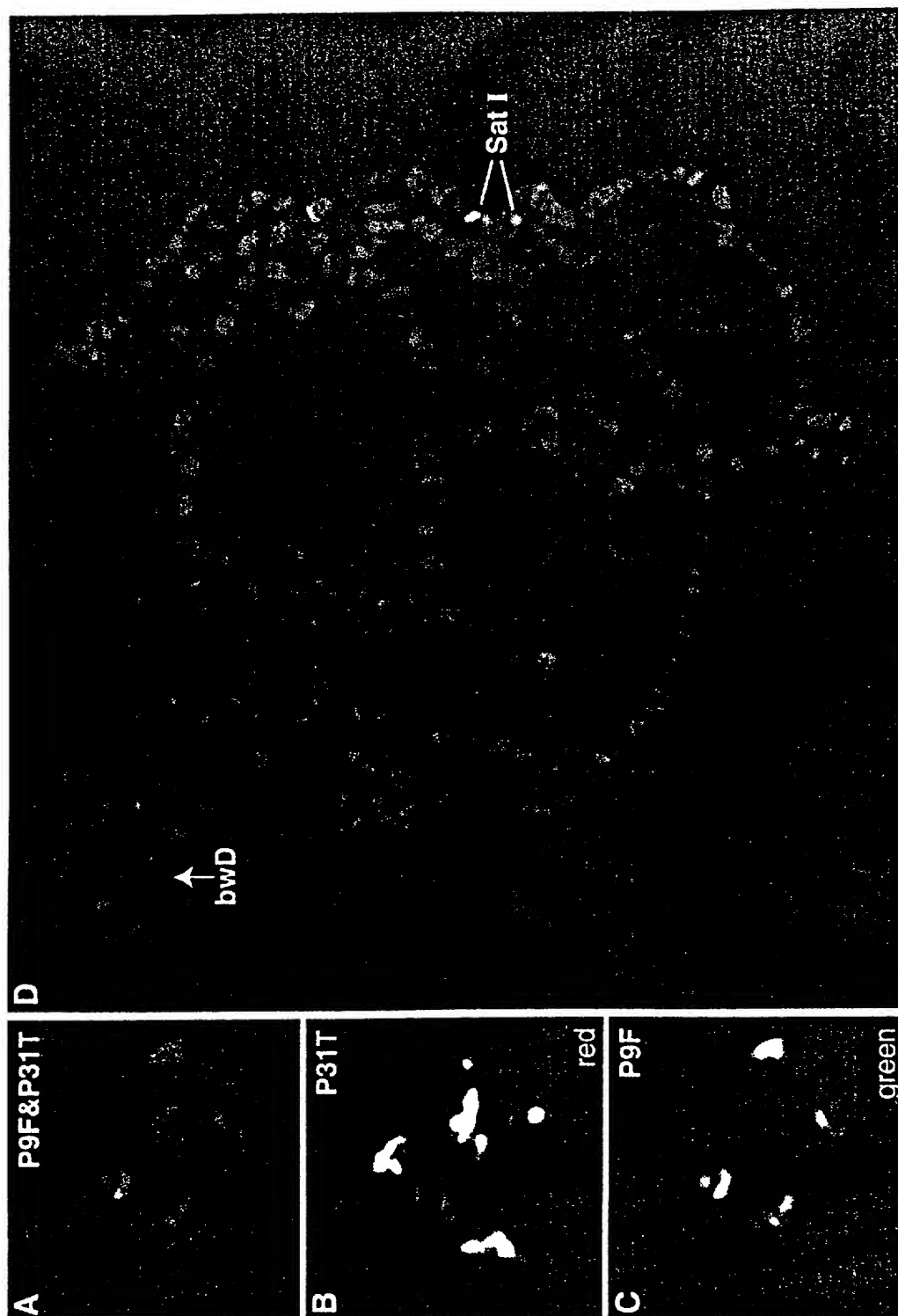


FIGURE 6

A

P9

0 100 250 500 1000 2000

0 62 125 250 500 1000

nM

VM26

- + + + + + + + + + + +

- m

- m

- M₂

- M₁

FIGURE 7B**B**

VM26 Lex10
- + 125 250 500 750 nM

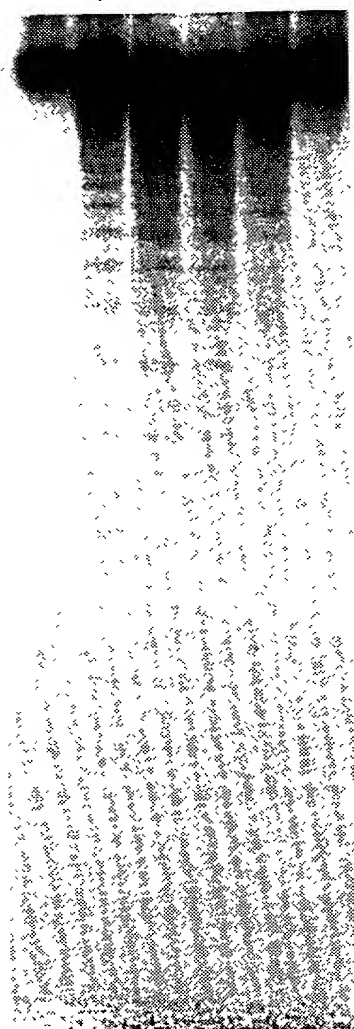


FIGURE 7C

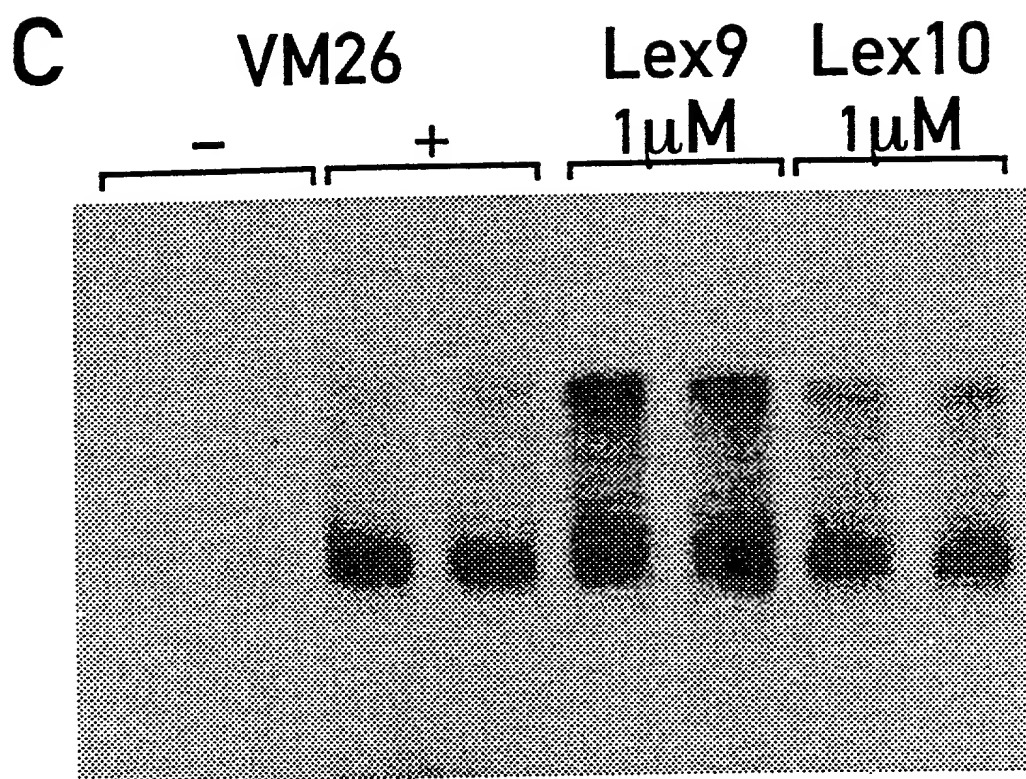


FIGURE 8A

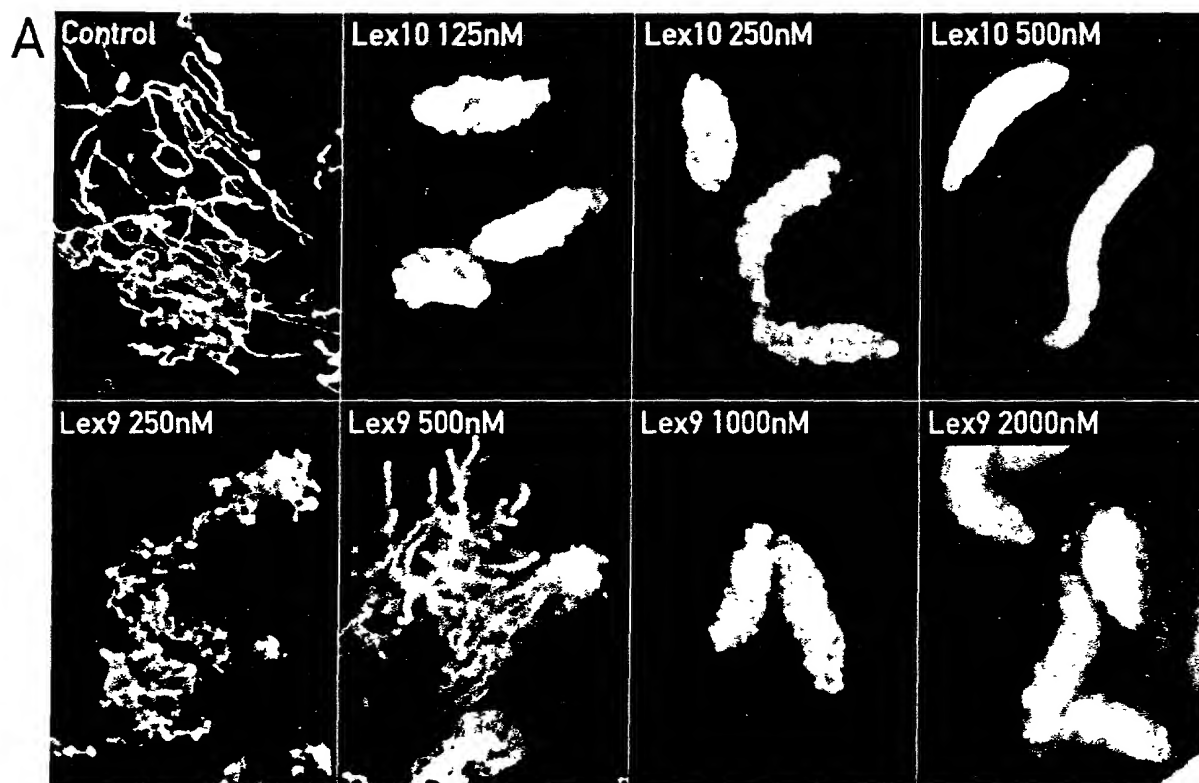


FIGURE 8B

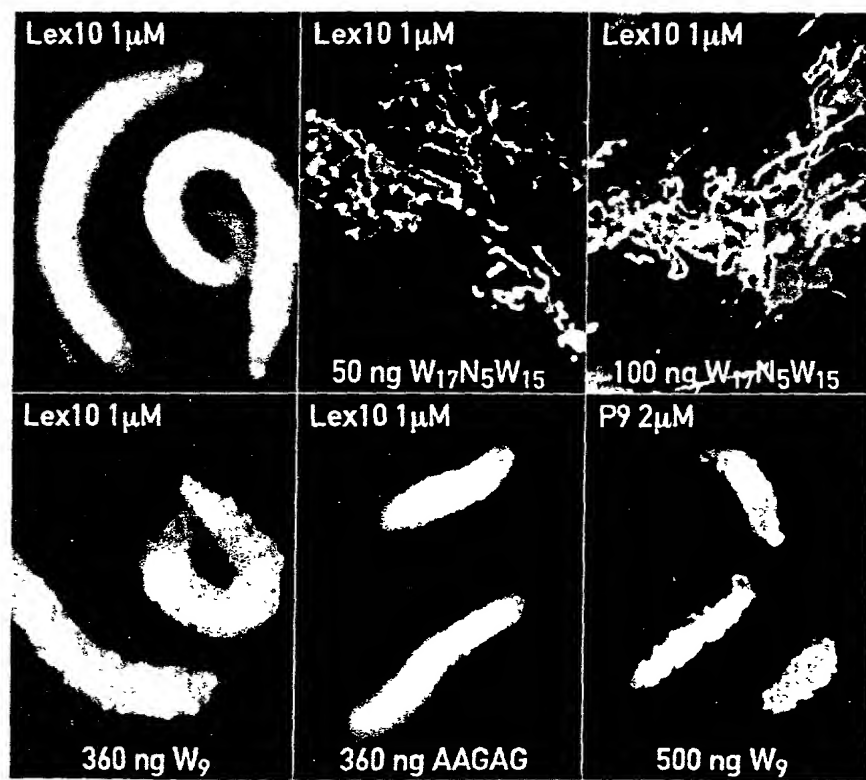
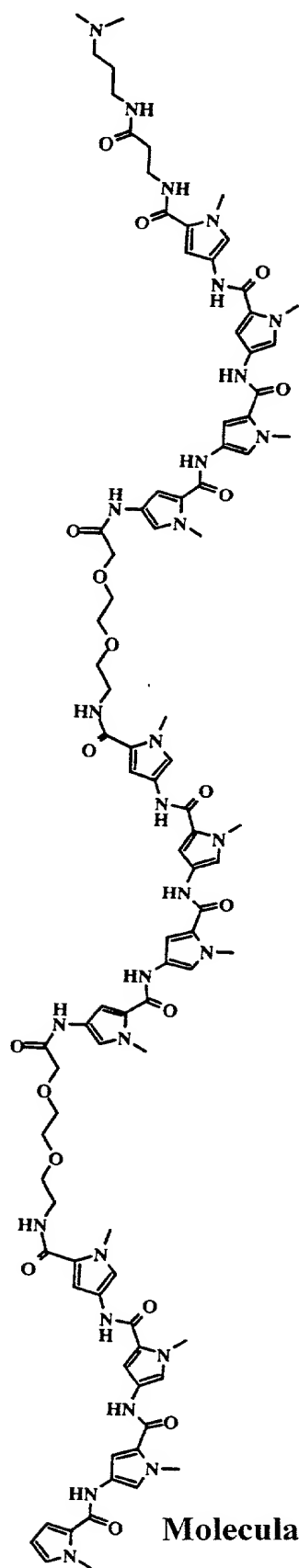


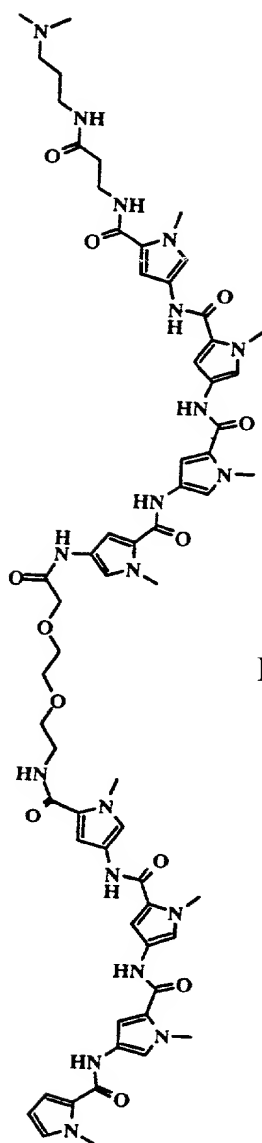
FIGURE 9

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Molecular Weight=1914.09

P49



Molecular Weight=1280.43

P50

Molecular Weight=646.76

P51

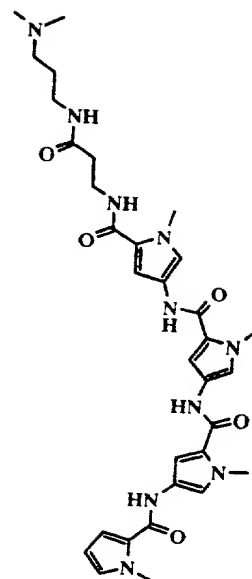
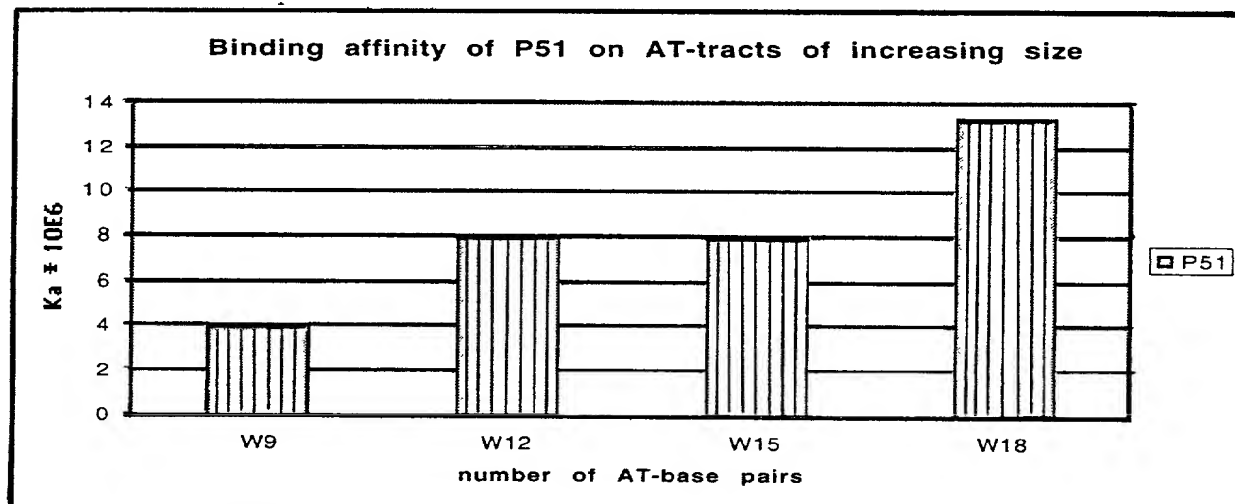
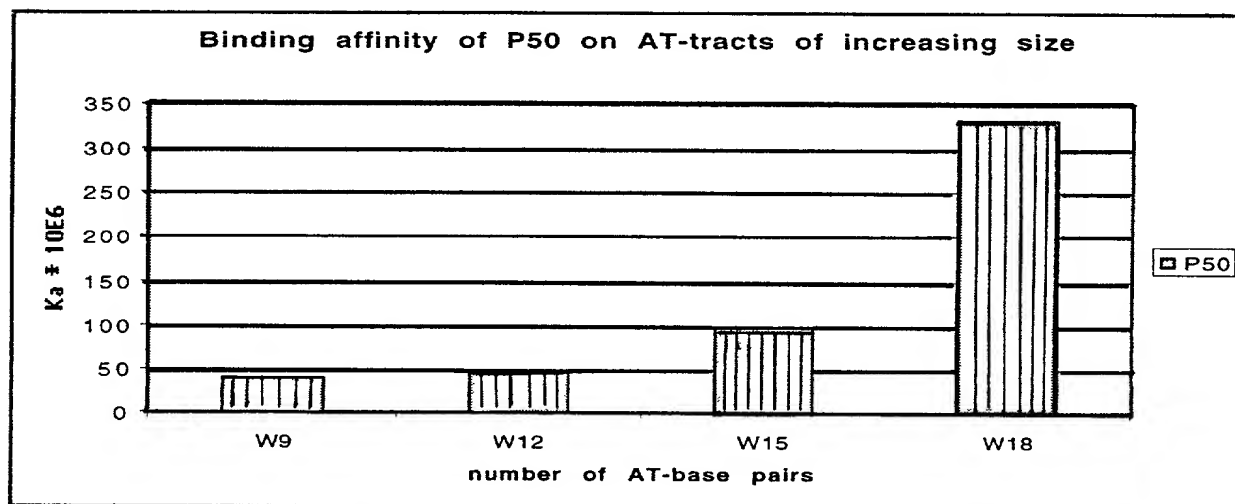
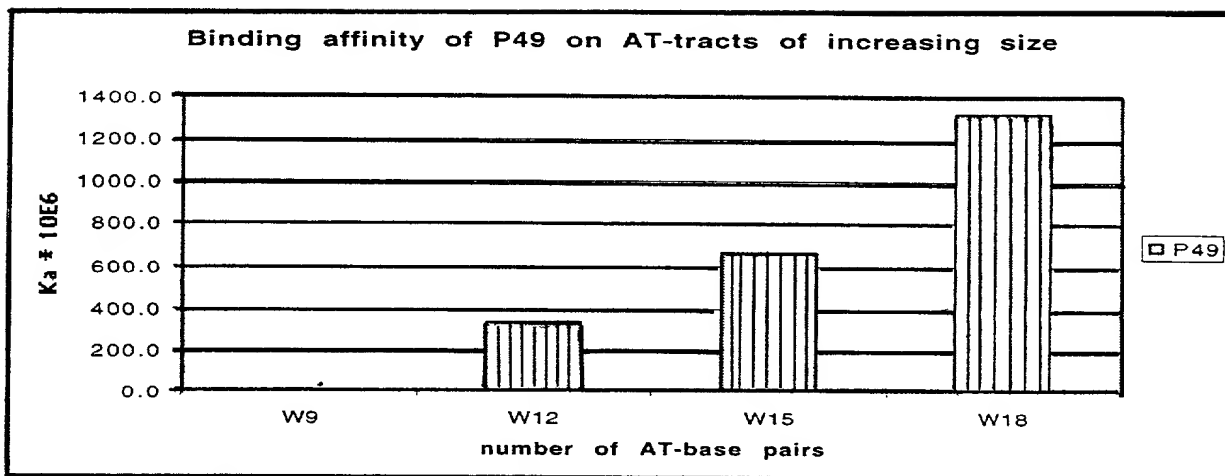


FIGURE 10



P52

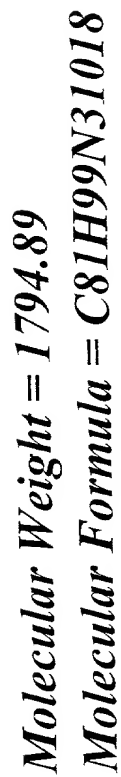


FIGURE 12

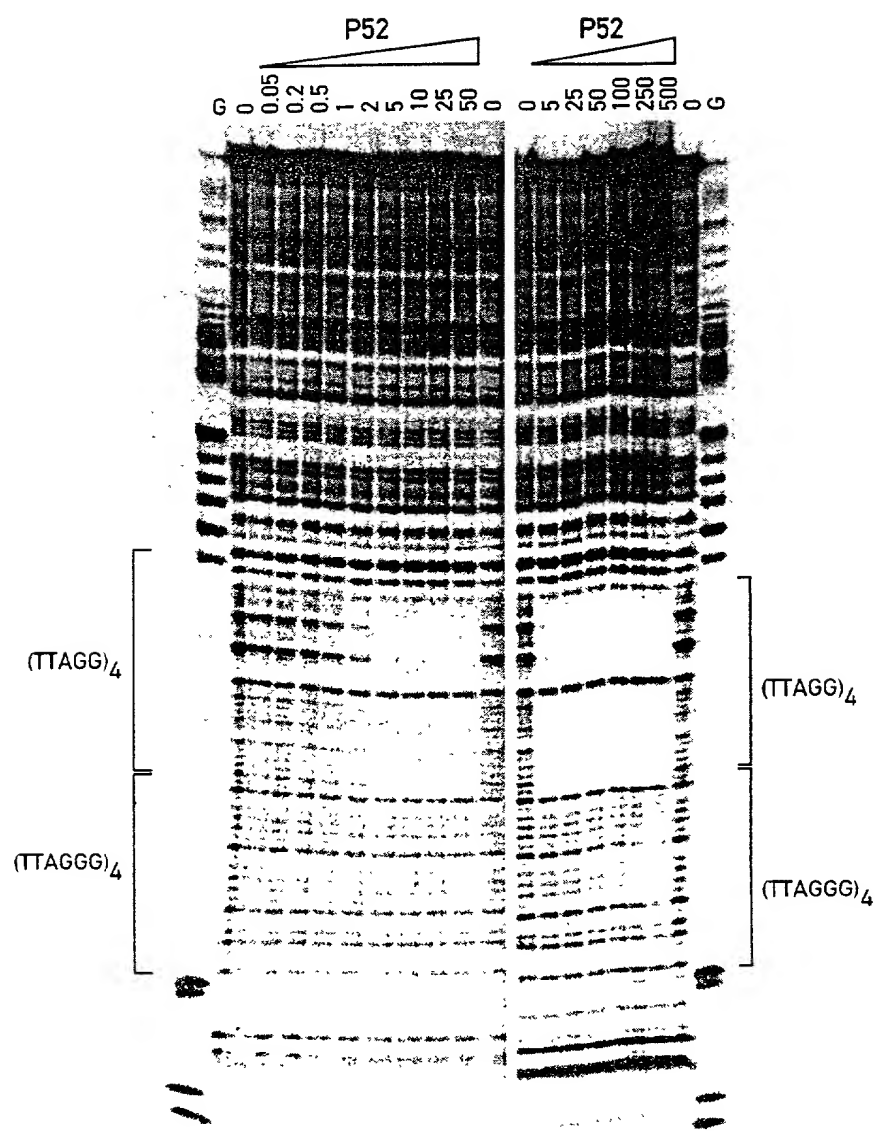
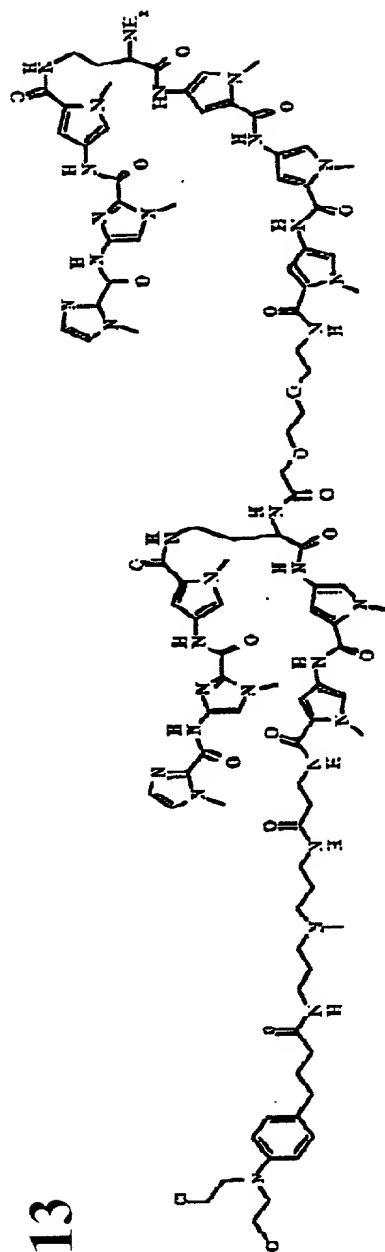


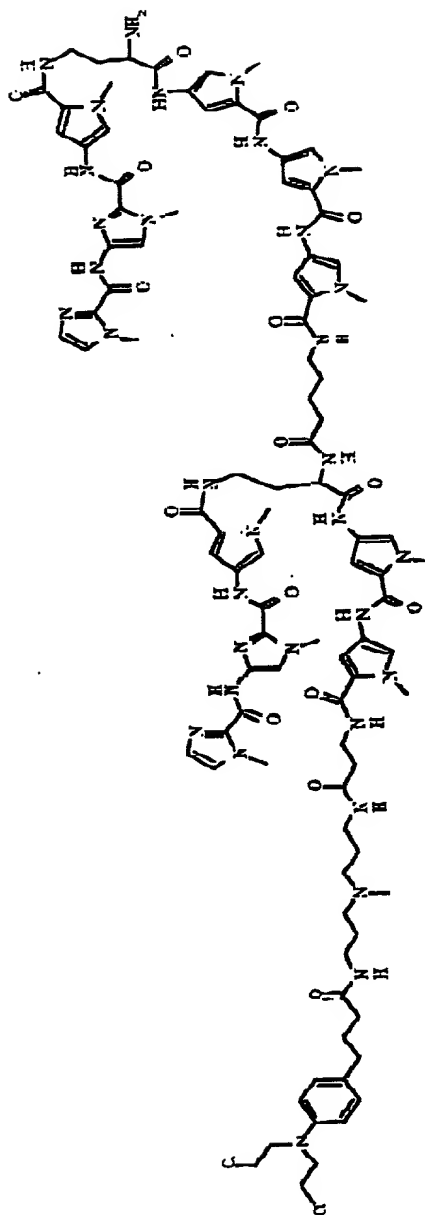
FIGURE 13



A

8-amino, 3-6 dioxaoctanoic acid linked: P52CHL-AO

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B

5-amino valeric acid linked: P52CHL-Val

FIGURE 14

